



CURRICULUM VITAE Pascal Verdonck

Identification

Pascal Verdonck was born in 1963 in Gent, Belgium. He graduated as Master of Science Civil Engineering in 1986 from the Ghent University. He obtained his diplomas in Master of Business Administration (1989), Master of Science Biomedical Engineering (1993) and PhD (1993) from the Ghent University. He is married with Nathalie Van Peteghem and has two children Simon (°1993) and Charlotte (°1995)

Professional activities and relevant experience

- Assistant (1987-1992), post-doctoral researcher (1993-1995), assistant professor (1996-2002) and full professor "cardiovascular mechanics and biofluid dynamics" at the Ghent University since 2002
- Visiting professor University of Groningen, Groningen, the Netherlands (2001-2007)
- Visiting professor Imperial College, London (2004-2008)
- Tenured professor at the International Faculty for Artificial Organs, Bologna, Italy
- Head of the Department of Civil Engineering of the Ghent University (1998-2006)
- Ombudsman of the Faculty of Applied Sciences of the Ghent University (1993-2003)
- Chairman bachelor programs of the Faculty of Applied Sciences of the Ghent University (2003-2006)
- Scientific secretary of the Institute Biomedical Technology of the Ghent University (1997-2006)
- Visiting professor University Paris XII (1997)
- Visiting Socrates professor TU Kosice (2000-2004) and Julich (2000-2010)
- Officer European Society Non-Invasive Cardiovascular Dynamics (1993-)
- Member Board European Society for Engineering and Medicine (2002-2004)
- Member of the Board of Trustees of the International Society for Artificial Organs ISAO (1999-2003)
- Member of the Board of the ESAO European Society for Artificial Organs (2004-2011)
- Vice Chairman of the alumni of the engineers studied at the Ghent University (1995-2003)
- Vice Président "Société Biomécanique" (2000-2002), Président "Société Biomécanique" (2002-2004)
- Member evaluation commission Belgium for "medical devices" and "active medical devices" (2001-2007)
- Chairman of the Board of Directors "FluidDA" (2007- 2009)
- Member of the Board of Directors AZ Maria Middelaers hospital Gent (2000-2007)
- CEO of private hospital "AZ Maria Middelaers" Gent (2007- 2015) (www.azmmsj.be)
- Senior full professor "medical technology" Ghent University (2007-) (www.ugent.be)
- Visiting Professor "biomedical engineering" Catholic University Leuven, Belgium (2009-)
- Director of Institute of Biomedical Technology, Ghent University (2007-) (www.ibitech.ugent.be)
- Chairman National Committee Biomedical Engineering (2001-) (www.ncbme.be)
- Member of the Royal Flemish Academy of Belgium for sciences and arts (2009-)
- Member of the Board of Directors OLV Aalst Hospital (2012-) (www.olvz.be)
- Member of the Board of Directors Acerta (2013) (www.acerta.be)
- Vice chairman of the Board of Directors Artevelde University College Gent (2005-) (www.arteveldehs.be)
- Vice Chairman Belgian Association Hospital Directors (2013-) (www.ziekenhuisdirecteurs.be)
- Member of the Board of Directors Voka Flanders chamber of commerce and industry (2015-)
- Chairman of the Board of Directors AZ Maria Middelaers hospital Gent (2015-) (www.azmmsj.be)
- CEO MedTech Flanders (www.medtech.flanders.be) (2015-)

Actual courses

- "Biosystems", 2nd year bachelor engineering sciences
- "Biofluid mechanics", 2nd year master biomedical engineering sciences
- "Seminars: biomedical innovations", 2nd year master biomedical engineering sciences
- "Engineering project in a hospital", 2nd year master biomedical engineering sciences

Research and innovation

His research has spanned numerous fields of biomedical engineering sciences : experimental and numerical modeling of the cardiovascular system, haemodynamics and transport phenomena in extracorporeal circulation and artificial organs, computational biodesign.